

Converting Colors

XYZ(13.8062, 8.9887, 0.4241)

Have a look what the booklet for
XYZ(13.8062, 8.9887, 0.4241)
contains.

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Color

**XYZ(13.8508, 9.0302,
1.0130)**

Conversions

Conversions Part 1

Format	Color
Hex	963500
RGB	150, 53, 0
RGB Percent	59%, 21%, 0%
CMY	0.4118, 0.7921, 1.0000
CMYK	0.00, 0.65, 1.00, 0.41
HSL	21°, 100%, 29%
HSV	21°, 100%, 59%
XYZ	13.8508, 9.0302, 1.0130
YIQ	75.9610, 74.8250, 4.0810

Conversions

Conversions Part 2

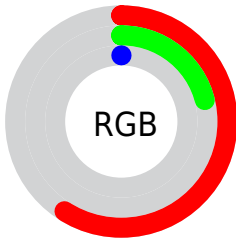
Format	Color
R_{YB}	150, 82, 0
Decimal	9843968
CIE Lab	36.04, 38.80, 47.66
CIE LCh	36, 61.457, 50.856
Yxy	9.0302, 0.5797, 0.3779
Android (android.graphics.Color)	4288034048 (0xFF963500)
YUV	75.9610, -37.4488, 64.9322
Hunter-Lab	30.0503, 29.6863, 19.0365

Details

The XYZ color **13.8508, 9.0302, 1.0130** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.7794, 10.7507, 30.4137**, and the grayscale version is **6.9196, 7.2800, 7.9279**.

A 20% lighter version of the original color is **32.4118, 23.9885, 6.0539**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **13.8509, 9.0306, 1.0131**, and if you desaturate by 10%, it is **14.4251, 10.0409, 1.6298**.

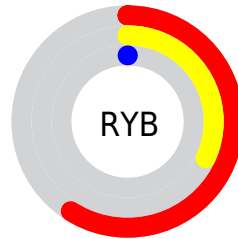
Distribution



Red (59%)

Green (21%)

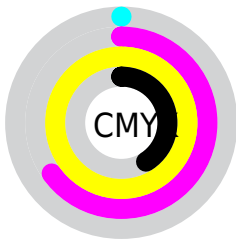
Blue (0%)



Red (59%)

Yellow (32%)

Blue (0%)

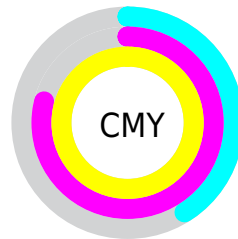


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (79%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8508, 9.0302, 1.0130 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.8508, 9.0302, 1.0130 by changing the saturation by 10% instead.


 13.8508, 9.0302,
1.0130


 13.8508, 9.0302,
1.0130


 209.8299,
183.6030, 104.4319


 8.0980, 4.7609,
0.0000


 32.4125, 23.9547,
6.1046


 4.2100, 2.1077,
0.0000

 45.9522, 35.3786,
11.2284


 1.8216, 0.6689,
0.0000

 62.8181, 49.9562,
18.6289

 0.5307, 0.0000,
0.0000


 83.3757, 68.0719,
28.7248


 0.0000, 0.0000,
0.0000

 107.9903, 90.1100,
41.9345


 137.0273,


116.4550, 58.6765


 170.8521,
147.4912, 79.3695


 13.8508, 9.0302,
1.0130


 13.8508, 9.0302,
1.0130


 13.8509, 9.0306,
1.0131

 14.4251, 10.0409,
1.6298

 15.1556, 11.2650,
2.6040

 16.0765, 12.7238,
4.0915

 17.2035, 14.4306,
6.1539

 18.5504, 16.3975,
8.8443

■ 20.1298, 18.6354,
12.2094

■ 21.9531, 21.1550,
16.2914

■ 24.0309, 23.9660,
21.1293

■ 26.3732, 27.0778,
26.7589

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.0069, 9.0302, 4.2509



13.8508, 9.0302, 1.0130



9.7535, 9.0302, 0.1025

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.8508, 9.0302, 1.0130



3.3322, 9.0302, 6.9585



11.3474, 9.0302, 43.3740

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.8508, 9.0302, 1.0130



9.7794, 10.7507, 30.4137

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



7.5100, 9.0302, 46.3078



13.8508, 9.0302, 1.0130



3.5344, 9.0302, 18.9217

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.8508, 9.0302, 1.0130



4.1920, 9.0302, 1.7982



4.8555, 9.0302, 35.2985



15.2989, 9.0302, 28.8954

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.8508, 9.0302, 1.0130



7.3217, 9.0302, 0.1248



4.8555, 9.0302, 35.2985



9.9813, 9.0302, 46.0139

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.8510, 9.0307, 1.0131



38.5394, 37.0564, 28.2874



14.7587, 7.3565, 12.0741



8.2608, 7.8273, 5.6352



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8510, 9.0307, 1.0131



24.2932, 15.6356, 1.7376



20.2318, 21.7923, 3.1401



5.9585, 6.1307, 6.1098



11.5157, 7.5458, 0.8495



0.1668, 0.1441, 0.0190

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.7794, 10.7507, 30.4137



17.0892, 18.6341, 53.6173



5.8016, 2.7952, 29.0878



5.7934, 6.2208, 7.3651



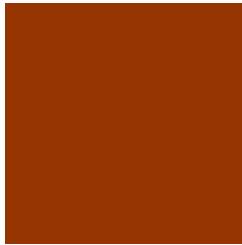
8.1416, 8.9781, 25.2349



0.1275, 0.1655, 0.3181

Previews

White Background



This preview shows how the XYZ color 13.8508, 9.0302, 1.0130 looks on a white background.

Color Contrast Check

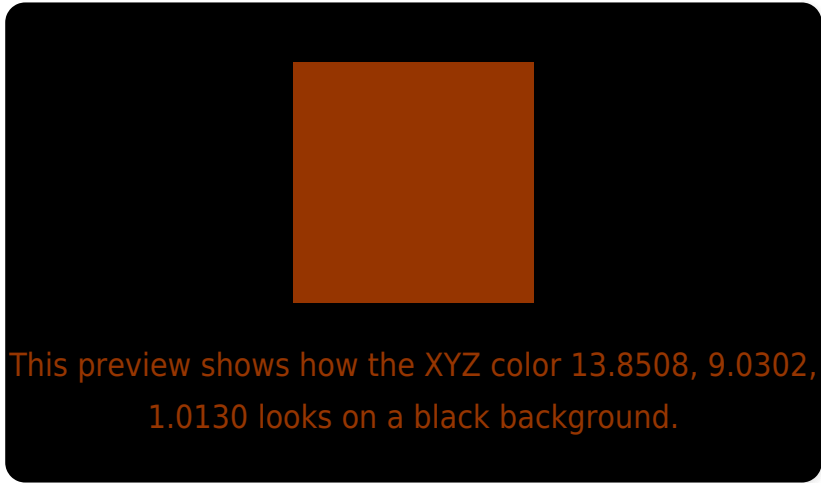
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

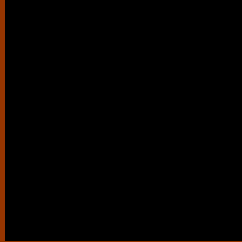
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8508, 9.0302, 1.0130

Background



This preview shows how black text looks on a background with the XYZ color 13.8508, 9.0302, 1.0130.



This preview shows how white text looks on a background with the XYZ color 13.8508, 9.0302,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.8508, 9.0302, 1.0130

Protanopia

8.3511, 9.2344, 1.8325

Deuteranopia

9.2016, 9.2227, 1.2952



Tritanopia

14.4806, 9.0239, 4.2274

Trichromacy



Original Color

13.8508, 9.0302, 1.0130

Protanomaly

9.7060, 8.6325, 1.4418

Deuteranomaly

10.4216, 8.7174, 1.1334

Tritanomaly

14.1776, 8.9703, 2.4230

Monochromacy



Original Color

13.8508, 9.0302, 1.0130

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.1941, 7.2312, 3.7602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8508, 9.0302, 1.0130 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 53, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 53, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8508, 9.0302, 1.0130 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 53, 0) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(150, 53, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(150, 53, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8508, 9.0302, 1.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 53, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150, 53,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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